

CURRICULUM VITAE (SHORT)

Full name: Ruskoaho, Heikki Juhani (male)
Date and place of birth: April 5th, 1952, Kemi, Finland
Nationality: Finnish
Marital status: Married, two children (Ilona 1981, Juho 1983)
Current residence: Flooranaukio 1 A8, 00560 Helsinki, Finland

Education and degrees awarded

M.D., 1978; Ph.D. (in Pharmacology), 1983; Docent in Pharmacology, 1986 (all in University of Oulu)

Current position

Professor of Pharmacology and Drug Development (2013-)
 Division of Pharmacology and Pharmacotherapy, Faculty of Pharmacy, University of Helsinki
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Previous professional appointments

Research Associate in Pharmacology, University of Oulu, 1978 -1986 (58 months)
 Assistant Professor in Pharmacology, University of Oulu, 1981-1982 (8 months)
 Research Fellow, Farnos Ltd. Research Center, Turku and Oulu, 1983 -1984 (12 months)
 Alexander von Humboldt Foundation, Research Fellow, Department of Pharmacology and German Institute for High Blood Pressure (Prof. Detlev Ganten), University of Heidelberg, Germany, 1984-1985 (15 months)
 Assistant Professor in Pharmacology, University of Oulu, 1987-1988 (8 months)
 Acting Associate Professor of Pharmacology, University of Oulu, 1986 -1988 (10 months)
 Associate Professor of Pharmacology, University of Oulu, 1989 (May) -1996 (June)
 Acting Professor of Molecular Pharmacology, University Oulu, 1994 (August) -1996 (June)
 Professor of Molecular Pharmacology, University of Oulu, 1996 (June)-2012, part time 2013-2015
 Research Director, University of Oulu, part time, 2016

Scientific awards and honours, most import foreign visits

The Finnish Drug Research Foundation Award for work on atrial natriuretic peptide (1988)
Semmelweis Medical School, Visiting Professor and Organizer of Graduate School Course on Molecular Biology of Cardiovascular System, Budapest, Hungary, 1994 (one month)
Honorary Doctorate, Semmelweis Medical School, Budapest, Hungary (1996)
Clinical Research Institute of Montreal, Visiting Professor, Laboratory of Cellular Growth and Differentiation (Prof. Mona Nemer), University of Montreal, Canada, 1998 (2 months)
Honorary Member, Hungarian Academy of Sciences, Section of Medical Sciences (2001)
Lecturer of the Year 2002, Faculty of Medicine, University of Oulu
Pentti Halonen Medal for the contribution to the Cardiovascular Research, Finnish Foundation for Cardiovascular Research (2002)
State Medal by the President of Hungary (2004)
Maribor University, Slovenia, Socrates/Erasmus Teacher Exchange, Pharmacology lectures (2006)
Deserved Visiting Professor, Maribor University, Slovenia (2006)
The Maud Kuistila Award to a merited teacher of scientists in the field of medicine (2010)
 Member of *Finnish Academy of Science and Letters* (2010)
The Major Award of Finnish Foundation for Cardiovascular Research (2013)
The Albert Wuokko Award of the Finnish Pharmaceutical Society (2017)
Doctor of Honoris Causa, University of Maribor, Maribor, Slovenia (2019)

Most important scientific positions of trust and administration

Chair of the Board, the Academy of Finland (2014-2018)
 Vice Rector, Provost of Science and Research, University of Oulu (2006-2009)
 Dean, the Faculty of Medicine, University of Oulu (2001-2005)

Vice Dean, the Faculty of Medicine, University of Oulu (2000-2001)
 Member of the Governing Board, University of Oulu (2001-2005)
 Member of the Board, the Faculty of Medicine, University of Oulu (1991-1993, 2000-2005)
 Chairman, Research Council of the University of Oulu (2006-2009)
 Chairman of the Operative Steering Group of Research Assessment Exercise, University of Oulu (2007-2008)
 Head of the Unit, Department of Pharmacology and Toxicology, University of Oulu (2010-2012)
 Member of Biocenter Oulu, Project leader of Biocenter Oulu (1994-2011)
 Principal investigator, Finnish Centre of Excellence in Cardiovascular Diseases and Type 2 Diabetes Research by the Academy of Finland (2008-2013)
 Coordinator and Principal investigator, Business Finland Large Strategic Research Opening, 3i-Innovative Induction Initiative (2014-2018)
 Chairman of the working group for the Development of Graduate Schools in Finland, Ministry of Education and Culture and Academy of Finland (2009-2011)
 Member of Governing Board of Biocenter Oulu Graduate School, University of Oulu (2006-2009)
 Member of Board of Doctoral School in Health Sciences, University of Helsinki (2013-2017)
 Chairman of Drug Research Doctoral Programme, University of Helsinki (2013-2017)
 Chairman of the Scientific Advisory Board, Neuroscience Center, University of Helsinki (2008-2012)
 Member of Advisory Board, Center for Cardiovascular Research, Charite-University Medicine of Berlin, Germany (2006-2012)
 Chairman of National Committee on Medical Research Ethics, National Supervisory Authority of Welfare and Health (2006-2014)
 Chairman of Expert Group for Pharmaceuticals Pricing Board, Ministry of Social Affairs and Health (2007-2021), member 2004-2007
 Member of Governing Board of Finnish Drug Research Foundation (1994-2000), President (1999-2000)
 Member of Governing Board and Scientific Advisory Board (1997-2011), Chairman (2012-2016) and member (2012-present) of Scientific Advisory Board, Finnish Foundation for Cardiovascular Research
 Member of Scientific Advisory Board of Sigrid Juselius Foundation, 2002-present
 Finland-US Educational Exchange Commission FUSEEC (The Fulbright Center), member of Fulbright Center Board of Directors, 2010-2017, vice-chair 2012-2014

Other scientific or academic merits and activities

ERC, Member of panel LS7, Evaluation of Starters, Consolidators and Advanced Researchers grants (2012-);
 Evaluator of the 2019 Synergy Call
 Supervision of 46 Ph.D. students; 7 on going (supervisor or co-supervisor)
 Referee of Professorship position in Pharmacology and Toxicology (University of Helsinki, 1998); Molecular Pharmacology (University of Kuopio 1998); Biomedicine (University of Helsinki, 1999); Physiology (University of Turku, 2004; University of Helsinki, 2004); Pharmacy (Åbo Academi, 2014)
 Referee of Readership position in Medicine (Imperial College of Medicine, UK, 2004); promotion to Research Associate Professor (University of Otago, New Zealand, 2006, 2007); promotion to Research Professor (University of Otago, New Zealand, 2011, 2012); Professorship position in Medicine (Imperial College of Medicine, UK, 2007); Associate Professorship position in Medicine (University of Pittsburg School of Medicine, 2007); Reader/Chair position in Biomedical Sciences (University of Reading, UK, 2009)
 Member of Study Section, Academy of Finland, Research Council for Health (1995-1997)
 Academy of Finland, Chairman of grant review committees (2000, 2001)
 The Research Council of Norway, Member of evaluation group for Center of Excellences in Norway (2001);
 Evaluation of applications for Center of Excellences (2006); Review of grant applications (2000-2010)
 Reviewer of grant application to European Science Foundation (1998, 1999)
 Reviewer of Swiss National Science Foundation (Switzerland 1994, 1998, 2000)
 Reviewer of grant application to National Heart Foundation of New Zealand (1999, 2003, 2005, 2006, 2010)
 Reviewer of grant applications to South-Eastern Norway Regional Health Authority (2008-2012)

Scientific Journals

Acta Universitatis Ouluensis, Member of the Editorial Board, Field Editor (Medicine)(1990-1995); vice-chairman 1994-1995

News in Physiological Sciences, Member of the Editorial Board, Associate Editor (1992-1994)

Acta Physiologica Scandinavica, Member of the Editorial Board, Field editor (1996-2006)

Annals of Medicine, Editor (2000-2006)

Expert Review of Endocrinology and Metabolism, Member of the Editorial Board (2005-present)

Acted as Editorial Board member in *Blood Pressure*, *European Journal of Pharmacology*, *Clinical and Experimental Hypertension*, and *Molecular and Cellular Endocrinology*

Scientific Societies

The Finnish Pharmacological Society (1979-present), Member of the Board (1989-1998), Secretary of the Society (1989-1994), Vice-president (1995-1998)

The Nordic Society of Pharmacology, General Secretary (1994-1995), Member of the Council (1995-1997)

The International Union of Pharmacology (IUPHAR), Executive Officer of the Finnish Pharmacological Society (1989-1996)

The Finnish Hypertension Society, member (1989-present), founding member, Member of the Executive Committee (1992-1999), Vice-President (1996-1997), President (1997-1999)

The Finnish Endocrine Society, member (1989-present), Member of the Board (1994-95)

The Finnish Cardiac Society, member (1983-present)

American Heart Association, Basic Cardiovascular Council, Professional member (1992-present)

Patents

Assay (XNP). Patent number: WO2005003764; Publication date: 2005-01-13. Inventors: Vuolteenaho O, Ala-Kopsala M, Ruskoaho H, Leppäluoto J, Haapalahti J.

Publications

Thesis; 261 original peer-review articles; 23 review articles; 98 articles in books, proceedings, supplements, articles in Finnish scientific journals and other publications. Editor in Chief of the textbook "*Medical Pharmacology and Toxicology*", Kustannus Oy Duodecim, 5th edition published in 2019. Total number of publications 393. Citations: 10199; H-index: 48.

Selected (10) scientific publications

- Lang RE, Thölken H, Ganten D, Luft FC, **Ruskoaho H**, Unger T. Atrial natriuretic factor - a circulating hormone stimulated by volume loading. *Nature* 1985;314:264-266.
- Ruskoaho H**, Kinnunen P, Taskinen T, Vuolteenaho O, Leppäluoto J, Takala T. Regulation of ventricular atrial natriuretic peptide release in hypertrophied rat myocardium: effect of exercise. *Circulation* 1989;80:390-400.
- Ruskoaho H**: Atrial natriuretic peptide: synthesis, release, and metabolism. *Pharmacol Rev* 1992;44:479-602.
- Magga J, Vuolteenaho O, Marttila M, **Ruskoaho H**. Endothelin-1 is involved in stretch-induced early activation of B-type natriuretic peptide gene expression in atrial but not in ventricular myocytes. *Circulation* 1997;96:3053-3062.
- Szokodi I, Kinnunen P, Tavi P, Weckström M, **Ruskoaho H**. Evidence for cyclic AMP-independent mechanisms mediating the inotropic effect of adrenomedullin in isolated perfused rat heart. *Circulation* 1998;97:1062-1070.
- Hautala, Tokola H, Luodonpää M, Puhakka J, Romppanen, Vuolteenaho O, **Ruskoaho H**. Pressure overload increases GATA4 binding activity via endothelin-1. *Circulation* 2001;103:730-735.
- Tavi P, Laine M, Weckström M, **Ruskoaho H**. Cardiac mechanotransduction: from sensing to disease and treatment. *Trends Pharmacol Sci* 2001;22:254-260.
- Skodozi I, Tavi P, Földes G, Voutilainen-Myllylä S, Ilves M, Tokola H, Pikkarainen S, Pihola J, Rysä J, Toth M, **Ruskoaho H**. Apelin, the novel endogenous ligand of the orphan receptor APJ, regulates cardiac contractility. *Circ Res* 2002;91:434-440.
- Szokodi I, Kerkelä R, Kubin AM, Sárman B, Pikkarainen S, Kónyi A, Horváth IG, Papp L, Tóth M, Skoumal R, **Ruskoaho H**. Functionally opposing roles of extracellular signal-regulated kinase 1/2 and p38 mitogen-activated protein kinase in the regulation of cardiac contractility. *Circulation* 2008;118:1651-1658.
- Välimäki MJ, Tölli MA, Kinnunen SM, Aro J, Serpi R, Pohjolainen L, Talman V, Poso A, **Ruskoaho HJ**. Discovery of Small Molecules Targeting the Synergy of Cardiac Transcription Factors GATA4 and NKX2-5. *J Med Chem*. 2017;60:7781-7798.